

# ABSTRACT

An integrated design system of an electric power steering apparatus in which a steering assisting force is given to a steering mechanism based on a current control value calculated from a motor current value detected by a motor current detection means, and a steering auxiliary command value calculated by a calculation means based on a steering torque and a vehicle speed, comprises a simulation controller for connecting an analysis tool of control system, an analysis tool of motor electromagnetic field and an analysis tool of mechanism of vehicle through an interface, and carrying out integrated simulation of said electric power steering apparatus.

BEST AVAILABLE COPY